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## PATENT ABSTRACTS OF JAPAN

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## (54) WRAPPING FILM FOR ANTIBACTERIAL PACKAGING

## (57) Abstract:

**PROBLEM TO BE SOLVED:** To enhance the easy tear properties, suitability for a microwave oven, adhesive properties to a container or the like by blending a specific ethylene resin with a specified physical quantity such as density with a specified amount of propylene resin, a regenerated resin and an antibacterial agent for both outer layers and forming an intermediate layer of a thermoplastic resin with a specified physical quantity such as melt point.

**SOLUTION:** Both outer layers of the wrapping film are

formed of a resin composition, consisting of 99-80 pts.wt. ethylene resin which is selected from an ethylene homopolymer, an ethylene-vinyl ester copolymer and an ethylene- unsaturated carboxylate copolymer 1-10 pts.wt. ethylene-propylene-butene 1 copolymer with 35-80 wt.% propylene content as a repeating unit, 0-30 pts.wt. regenerated resin and 0.001-5 pts.wt. antibacterial agent, with 0.920-0.935 g/cm<sup>3</sup> density, 2-10 g/10 min. melt flow rate(MF) and 0.6 wt.% or more n-hexane extraction. An intermediate layer which accounts for 5-30% of the thickness of the wrapping film is a thermoplastic resin with 150° or more melt point and 2-20° MF.

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